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PHOTOGRAPHIC INTERPRETATION REPORT

# NEW CONSTRUCTION AT THE YUNG-TING MACHINERY PLANT (618 FACTORY) CHANG-HSIN-TIEN, CHINA

DECLASSIFICATION REVIEW by NIMA/DOD 4/17/00



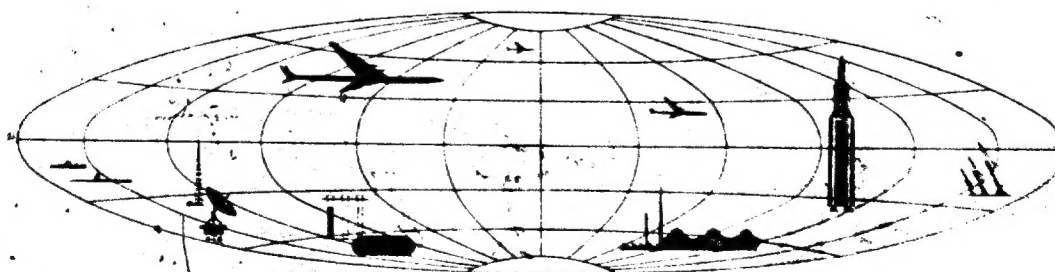
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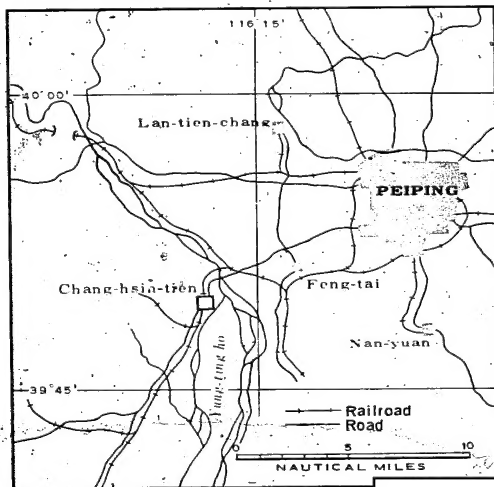
## NEW CONSTRUCTION AT THE YUNG-TING MACHINERY PLANT (618 FACTORY) CHANG-HSIN-TIEN, CHINA

### SUMMARY

A previously observed but hitherto unidentified installation located 1 nautical mile west-southwest of Chang-hsin-tien, China, and adjacent to the Peiping 1st Armored School, is identified as the Yung-ting Machinery Plant. This plant, which has the code designation 618 Factory, probably produces and/or repairs tracked armored vehicles and farm tractors; however, its proximity to the Peiping Rocket Engine Test Facility and the presence of a newly constructed section of the plant containing a large fabrication/assembly-type building suggest that the plant may be associated with the Chinese missile program.

### INTRODUCTION

The Yung-ting Machinery Plant is located



at 39-49N 116-10E (Figure 1), approximately 1 nautical mile (nm) southwest of the town of Chang-hsin-tien, China, and approximately 1.5 nm east of the Peiping Rocket Engine Test Facility, Chang-hsin-tien. The city of Peiping is approximately 9 nm north-east of the plant. Nearby installations (Figure 2) include the Peiping 1st Armored School, Chang-hsin-tien, the Peiping Petroleum Product Storage, Kang Wa, the Chang-hsin-tien Locomotive and Rolling Stock Plant, the Military Barracks Area, Nan-ying; the Military Barracks and Depot, Chang-hsin-tien; a probable armored school; and 2 driver-training and vehicle test tracks. Also in the area is a reservoir which occupies a portion of the site of the abandoned Chang-hsin-tien Ammunition Depot.

An analysis of numerous collateral reports shows that the Yung-ting Machinery Plant is also known by the Chinese under the code designation 618 Factory and is located south of Chang-hsin-tien near an armored school and tank training area. The plant was formerly associated with the Chang-hsin-tien Locomotive and Rolling Stock Plant which continues to manufacture locomotives. The Yung-ting Machinery Plant is reported to repair armored vehicles and tanks, including the Soviet T-34, and to produce farm

### YUNG-TING MACHINERY PLANT

The Yung-ting Machinery Plant is divided into 2 separately secured adjacent sections. The

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FIGURE 2. INSTALLATIONS IN THE VICINITY OF CHANG-HSIN-TIEN, CHINA. [REDACTED]

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older of the sections is adjacent to the northwest side of the Peiping 1st Armored School, Chang-hsin-tien (Figures 2, 3, and 4), and the newer section is immediately north-northwest of the older section. A narrow strip between the sections contains a diverted stream or ditch and also a road which connects a separately secured section of the 1st Armored School west of the plant with a driver-training and vehicle test track east of the plant (Figure 4). The Chang-hsin-tien Locomotive and Rolling Stock Plant is immediately east of the test track, and on the western side of this plant (adjacent to the test track) is located an area of recent plant expansion (Figure 4).

#### THE OLDER SECTION OF THE PLANT

The site occupied by the older section of the Yung-ting Machinery Plant was a barracks and storage area when observed in [redacted]. Subsequently, the barracks and storage facilities were removed, and the older section of the machinery plant which was built on the site has shown almost no change since first observed in [redacted]. One small support building was constructed in [redacted] and another was still under construction in [redacted]. The layout of the area and dimensions of the major buildings are shown on Figure 4. The main production and/or repair facilities probably consist of 6 monitor-roofed shop buildings in the northern end of the section (Figure 3). Two of these buildings (items 7 and 8, Figure 4) are near a rail spur serving 4 on/off loading and storage buildings. A rail-served steamplant is in the northernmost corner of the older section, and an apparently older heat and powerplant is in the western part of the section. Small support and storage buildings and a housing and support area occupy the remainder of this older section.

#### THE NEWER SECTION OF THE PLANT

The first photography to reveal activity at the site of the newer section of the Yung-ting Machinery Plant was obtained in [redacted] when only ground scarring and 1 building (item 3, Figure 4) in an early stage of construction were seen. The only previous photography was obtained in [redacted] and showed no activity at the site. Although photography of [redacted] was of poor quality, the 3 main buildings of the plant (items 2, 3, and 4) appeared complete, but continued ground scarring indicated that the newer section of the plant was not operational at that time. In [redacted] the newer section contained 1 large multibay, monitor-roofed fabrication/assembly building (item 2) with an adjacent smokestack, 1 support building composed of 2 adjoining gable-roofed structures (item 3), 1 shop building having a single roof monitor (item 4), and 1 small 2-level structure (item 5). The probable transformer house (item 1) at the site of the future substation in the northwest extremity of the newer section appeared to be in the early stages of construction. No security was visible, and temporary access roads converged from several directions.

Photography of [redacted] showed ditches for steamlines extending from a nearby steamplant in the older section of the plant to the new plant buildings. These ditches were later filled and are no longer visible. By [redacted] the substation had been separately secured, and a powerline was visible leading from the direction of the large thermal powerplant at the Peiping Rocket Engine Test Facility. Portions of a security wall had been erected around the plant, an interior road network was forming, and a small building appeared just east of the shop building.

Photography of [redacted] showed continued construction on the security wall, the com-

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FIGURE 3. YUNG-TING MACHINERY PLANT (618 FACTORY) AND NEARBY INSTALLATIONS,

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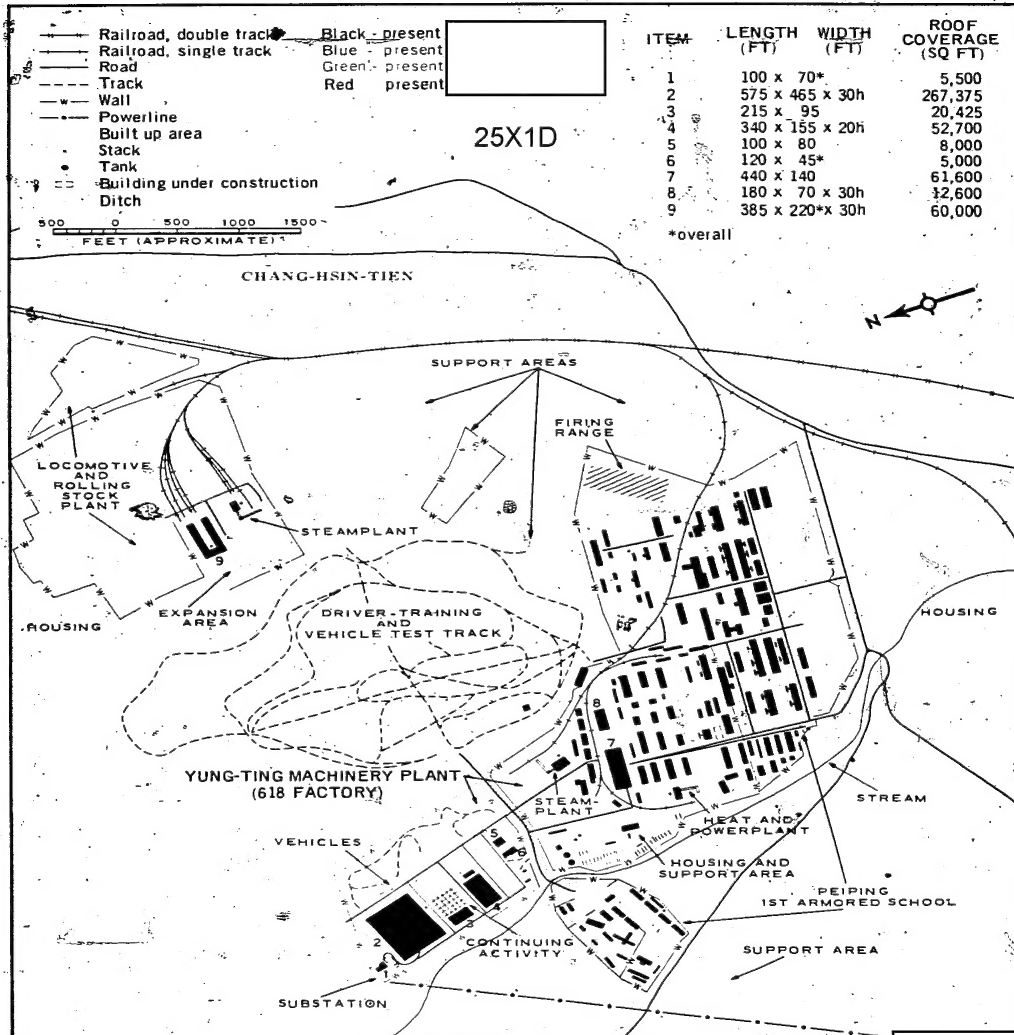


FIGURE 4. LAYOUT OF THE YUNG-TING MACHINERY PLANT (618 FACTORY) AND NEARBY INSTALLATIONS.

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pletion of 1 small support building (item 5) on the east side of the 2-level structure (item 6), and a small support building on the west side of the 2-level structure.

25X1D [ ] photography was of excellent quality (Figure 3). A small object in the southeast corner of the plant was observed for the first time, and the interior road network appeared more finished. The plant was probably not fully operational since the main access road from the older plant section was lacking a bridge over the diverted stream or ditch between the sections. Track activity from a large monitor-roofed shop building (item 7) in the older plant section and from the separately secured section of the 1st Armored School traversed the southern end of the new plant section. A possible tank/self-propelled (SP) gun was visible on the north side of the shop building.

25X1D By [ ] the security wall was completed, the newer plant section appeared to be generally in a more finished state and was observed to be approximately 1,600 feet long and 1,100 feet wide. Photography of [ ] (Figure 2) and [ ] showed vehicle track activity in the open area within the security wall and 2 rows of vehicles parked near the fabrication/assembly building. The bridge for the main access road was observed to be com-

plete in [ ] and is probably an indication of full operational capability. An area of continuing activity was observed just east of the support building (item 3).

The newly constructed section of the Yung-ting Machinery Plant appears to be directly associated with the older section of the plant; however, the fact that it is separately secured could be an indication of a function different from that of the older plant.

#### PEIPING 1ST ARMORED SCHOOL

The main section of the 1st Armored School contains a large administration building, numerous classrooms, barracks, support, and messing buildings, and a firing range. A separately secured section approximately 1,500 feet to the northwest (immediately west of the Yung-ting Machinery Plant) contains 6 vehicle sheds, a small heat plant, a messhall, and other personnel and vehicle support buildings. On [ ] photography (Figure 3), a row of tanks/self-propelled guns were visible parked outside the vehicle sheds and near the test track. Figures 5 and 6 are 1956 ground views of these same areas showing the vehicle sheds with the doors open and 1 T-34 tank, 1 JS-1/2 tank, and 3 SP guns parked near the test track. Since photography of [ ] track activity

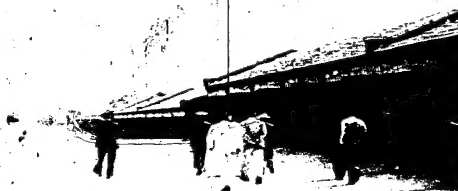


FIGURE 5. VIEW OF THE VEHICLE SHEDS AT THE SEPARATELY SECURED SECTION OF THE PEIPING 1ST ARMORED SCHOOL, CHANG-HSIN-TIEN, CHINA, [ ]

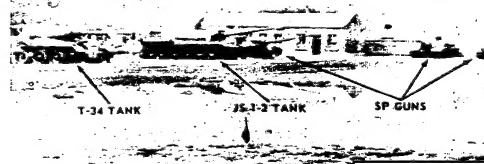


FIGURE 6. VIEW OF ARMORED VEHICLES AT THE PEIPING 1ST ARMORED SCHOOL, CHANG-HSIN-TIEN, CHINA, [ ]

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has been continuously observed leading from the separately secured section of the 1st Armored School to the nearby driver-training and vehicle test track and within the test track itself.

**CHANG-HSIN-TIEN  
LOCOMOTIVE AND ROLLING STOCK PLANT**

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The Locomotive and Rolling Stock Plant has shown little change since [REDACTED] except for an area of expansion on its southeast corner where a large probable rolling stock production or repair building (item 9, Figure 4) and a steamplant were under construction in [REDACTED]. The area immediately surrounding these buildings appeared scarred and probably contained construction materials until [REDACTED] when photography revealed an extension of the security wall enclosing the area of expansion and also showed well-defined service roads.

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**CONCLUSIONS**

The Yung-ting Machinery Plant has received an addition of more than 350,000 square feet of roof cover in the separately secured newer section of the plant since [REDACTED]. This section

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probably became fully operational in [REDACTED] although individual buildings were completed earlier. A possible tank/SP gun and rows of vehicles have been observed within the plant which is adjacent to an armored school and a [REDACTED]

The Peiping Rocket Engine Test Facility is located 1.5 nm west of the Yung-ting Machinery Plant. The test facility contains stands and support buildings for testing large rocket engines; however, an extensive related missile production installation has not been positively identified. The construction of a large fabrication/assembly building in the newer section of the Yung-ting Machinery Plant during the same time span as the construction of the Peiping Rocket Engine Test Facility suggests a possible association of the Yung-ting Machinery Plant with the Chinese missile program.

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25X1C

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REQUIREMENT

NSA. P0432 R3-65

NPIC PROJECT

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